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United States Department of Agriculture,

WASHINGTON, D. C., *June 30, 1914.*

MONTHLY LIST OF PUBLICATIONS.

[JUNE, 1914.]

No publications are sold by the Department of Agriculture; therefore do not send money to this office.

Copies of publications listed herein will be sent free upon application to the Editor and Chief, Division of Publications, Department of Agriculture, Washington, D. C., as long as the supply lasts.

When this department's supply is exhausted publications can be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase only, and at the prices noted herein.

Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

REPORTS.

Annual Report of the Guam Agricultural Experiment Station for 1913. Pp. 24, pls. 4; figs. 6. June 5, 1914. Price, 5 cents.

SERIALS.

Journal of Agricultural Research, Vol. 2, No. 3. June, 1914. Contents: Bacteria Concerned in the Production of the Characteristic Flavor in Cheese of the Cheddar Type, by Alice C. Evans, E. G. Hastings, and E. B Hart.—Relation of the Action of Certain Bacteria to the Ripening of Cheese of the Cheddar Type. By E. B. Hart, E. G. Hastings, E. M. Flint, and Alice C. Evans.—Citrus-Root Nematode. By N. A. Cobb.—Pellicularia Koleroga on Coffee in Porto Rico. By G. L. Fawcett.—Feeding Habits of the Boll Weevil on Plants Other than Cotton. By B. R. Coad.—Identity of Peridermium Fusiforme with Peridermium Cerebrum. By George G. Hedgcock and W. H. Long. Pp. 167–250, pls. 1, figs. 16. Price, 25 cents.

NOTE.—THE JOURNAL OF AGRICULTURAL RESEARCH will be distributed free *only* to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. It will not be sent free to individuals. The Superintendent of Documents will receive subscriptions for this publication, the price being $2.50 per year, 12 numbers.

Experiment Station Record, Vol. XXIX. Index number. E. W. Allen, Ph. D., Editor. Pp. 901–1004. Price, 15 cents.

Same, Vol. XXX, No. 7, May, 1914. Pp. 601–700. Price, 15 cents.

The RECORD contains numerous abstracts of the publications of the agricultural experiment stations and kindred institutions in this and other countries, articles and editorials on topics of special interest in agricultural science by American and foreign experts, and notes on the experiment stations. The Superintendent of Documents has fixed the price of this serial, which is now issued in two volumes a year, 10 numbers each, at $1 a volume.

SERVICE AND REGULATORY ANNOUNCEMENTS.

NOTE.—Contain information, instructions, and notices of a regulatory nature. Issued monthly by certain bureaus. Free distribution limited to individuals, firms, establishments, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, at 5 cents each.

Bureau of Chemistry. May, 1914. Pp. 307–313. June 23, 1914.

Federal Horticultural Board. May, 1914. Pp. 23–28. June 20, 1914.

Insecticide and Fungicide Board. May, 1914. Pp. 51–59. June 26, 1914.

SOIL SURVEYS.

Soil Survey of Hamilton County, Indiana. By Lewis A. Hurst, of the U. S. Department of Agriculture, and E. J. Grimes, R. S. Hesler, and H. G. Young, of the

Indiana Department of Geology. Pp. 32, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.

Soil Survey of Tipton County, Indiana. By Lewis A. Hurst, of the U. S. Department of Agriculture, and E. J. Grimes, of the Indiana Department of Geology. Pp. 30, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.

Soil Survey of Cherokee County, Kansas. By Percy O. Wood, of the U. S. Department of Argiculture, and R. I. Throckmorton, of the Kansas State Agricultural College. Pp. 42, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.

Soil Survey of Greenwood County, Kansas. By W. C. Byers, of the U. S. Department of Agriculture, and N. S. Robb and J. P. Stack, of the Kansas State Agricultural College. Pp. 34, pls. 3, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.

Soil Survey of Pender County, North Carolina. By W. Edward Hearn, Lewis A. Hurst, and R. B. Hardison, of the U. S. Department of Agriculture, and L. L. Brinkley and S. O. Perkins, of the North Carolina Department of Agriculture. Pp. 45, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.

Soil Survey of York County, Pennsylvania. By J. O. Veatch, Lewis A. Hurst, and Gustavus B. Maynadier. Pp. 95, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.

Soil Survey of Kanawha County, West Virginia. By W. J. Latimer and M. W. Beck. Pp. 30, pls. 2, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.

Bulletins.

Flumes and Fluming. By Eugene S. Bruce, Expert Lumberman. Pp. 36, pls. 9, figs. 6. Contribution from the Forest Service. June 4, 1914. (Department Bulletin 87.) Price, 10 cents.

Discusses the use of flumes in lumbering operations and tells how to build them. Of especial value to lumbermen and log drivers.

Identification of Commercial Fertilizer Materials. By William H. Fry, Scientist in Soil Laboratory Investigations. Pp. 13. Contribution from the Bureau of Soils. (Professional Paper.) June 12, 1914. (Department Bulletin 97.) Price, 5 cents.

This bulletin gives methods for identifying the carriers of the various fertilizing ingredients, and is intended to serve as a laboratory guide to those studying this phase of the fertilizer question.

Tests of Selections from Hybrids and Commercial Varieties of Oats. By C. H. Warburton, Agronomist in Charge of Oat Investigations, and L. C. Burnett and H. H. Love, Collaborators, Office of Cereal Investigations (in cooperation with the Iowa and Cornell University Agricultural Experiment Stations). Pp. 25, figs. 6. Contribution from the Bureau of Plant Industry. June 8, 1914. (Department Bulletin 99.) Price, 5 cents.

This bulletin is intended for the use of farmers, agronomists, and cereal breeders, to whom the comparative data on selections from hybrids and commercial varieties should be of interest. It is adapted to the northern part of the United States as far west as the Missouri River.

The Molds of Cigars and Their Prevention. By R. H. True, Physiologist in Charge of Plant Physiological and Fermentation Investigations. Pp. 8. Contribution from the Bureau of Plant Industry. June 11, 1914. (Department Bulletin 109.) Price, 5 cents.

This paper discusses the losses due to the development of molds on cigars, outlines the studies directed toward the prevention of them, and presents practical directions for the use of an effective remedy. The molds were found to be introduced principally through the gum-tragacanth paste used to fasten the small flap at the head of the cigar.

New Facts Concerning the White-Pine Blister Rust. By Perley Spaulding, Pathological Inspector, Federal Horticultural Board. Pp. 8. Contribution from the Bureau of Plant Industry. (Professional Paper.) June 24, 1914. (Department Bulletin 116.) Price, 5 cents.

This paper contains additional information concerning the white-pine blister rust that was collected during the season of 1913. It is of interest to foresters, tree experts, nurserymen, and owners of ornamental and forest plantations of 5-leaved pines.

Spinning Tests of Upland Long-Staple Cottons. By Fred Taylor, Cotton Technologist, and Wells A. Sherman, Assistant in Market Surveys. Pp. 20. Contribution from the Bureau of Plant Industry and the Office of Markets. June 24, 1914. (Department Bulletin 121.) Price, 5 cents.

This bulletin is a report of tests of Upland long-staple cotton as compared with Deltas of the 1912 crop. Of interest to spinners and growers of Upland cotton on the Atlantic slope.

Inventory of Seeds and Plants Imported by the Office of Foreign Seed and Plant Introduction during the period from July 1 to September 30, 1912. Pp. 44, pls. 5. (Bureau of Plant Industry, Inventory No. 32. Nos. 34093 to 34339.) Price, 10 cents.

Revision of the American Harvest Mice. (Genus Reithodontomys.) By Arthur H. Howell, Assistant Biologist, Biological Survey. Pp. 97, pls. 7, figs. 6. June 5, 1914. (North American Fauna No. 36.) Price, 20 cents.

Farmers' Bulletins.

Collection and Preservation of Plant Material for Use in the Study of Agriculture. By H. B. Derr, Agent and Agronomist, Bureau of Plant Industry, and C. H. Lane, Chief Specialist in Agricultural Education, Office of Experiment Stations. Pp. 24, figs. 16. Contribution from the Bureau of Plant Industry and the Office of Experiment Stations. June 3, 1914. (Farmers' Bulletin 586.)

This bulletin is designed for the use of rural teachers in all parts of the United States.

Economic Value of North American Skunks. By D. E. Lantz, Assistant Biologist. Pp. 22, figs. 10. Contribution from the Bureau of Biological Survey. June 4, 1914. (Farmers' Bulletin 587.)

This bulletin discusses the value of skunks to agriculture, as destroyers of rodents and injurious insects, their value as fur bearers, and the possibilities of raising them for their fur.

Economical Cattle Feeding in the Corn Belt. By J. S. Cotton, Agriculturist, Bureau of Plant Industry, and W. F. Ward, Senior Animal Husbandman in Beef Cattle Investigations, Bureau of Animal Industry. Pp. 19, figs. 6. Contribution from the Bureau of Animal Industry and the Bureau of Plant Industry. June 24, 1914. (Farmers' Bulletin 588.)

This bulletin is intended to promote cattle feeding on moderate-sized farms; it is suitable for distribution throughout the corn belt.

Stock-Watering Places on Western Grazing Lands. By Will C. Barnes, Inspector of Grazing. Pp. 27, figs. 3. Contribution from the Forest Service. June 11, 1914. (Farmers' Bulletin 592.)

This bulletin gives suggestions for the development and improvement of stock-watering places; it deals more especially with conditions found within the National Forests. It is intended for distribution throughout the range country.

How To Use Farm Credit. By T. N. Carver, Director, Rural Organization Service. Pp. 14. Contribution from the Rural Organization Service. June 3, 1914. (Farmers' Bulletin 593.)

This bulletin is intended to help farmers with the business side of their enterprises and is suitable for all sections of the country.

Shipping Eggs by Parcel Post. By Lewis B. Flohr, Scientific Assistant. Pp. 20, figs. 6. Contribution from Office of Markets. June 4, 1914. (Farmers' Bulletin 594.)

This bulletin presents conclusions from recent investigations made in cooperation with the Post Office Department. It contains matter which at the present time is arousing considerable public interest and furnishes information as to the use of the parcel post as a channel of communication between producer and consumer which will prove of value to every postmaster as well as to patrons of their offices.

Arsenate of Lead as an Insecticide Against the Tobacco Hornworms in the Dark-Tobacco District. By A. C. Morgan and D. C. Parman, Entomological Assistants, Southern Field Crop Investigations. Pp. 8, fig. 1. Contribution from the Bureau of Entomology. June 15, 1914. (Farmers' Bulletin 595.)

This bulletin is intended to assist the tobacco growers of Kentucky and Tennessee and the adjoining States in combating a troublesome pest.

The Culture of Winter Wheat in the Eastern United States. By Clyde E. Leighty, Agronomist in Charge of Eastern Wheat Investigations, Office of Cereal Investigations. Pp. 12, figs. 2. Contribution from the Bureau of Plant Industry. June 20, 1914. (Farmers' Bulletin 596.)

This bulletin gives directions for growing winter wheat in the eastern half of the United States, including small portions of eastern Nebraska, Kansas, Oklahoma, and Texas.

A New System of Cotton Culture and Its Application. By O. F. Cook, Bionomist in Charge of Crop Acclimatization and Adaptation Investigations. Pp. 12, figs. 2.

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Contribution from the Bureau of Plant Industry. June 10, 1914. (Farmers' Bulletin 601.)

The bulletin advocates a radical departure from the present system and opens the way to many other improvements of cultural methods. The principle underlying the practice is the production of earlier fruiting branches, at the expense of the vegetative branches. Late thinning and leaving the plants close together in the rows, when practiced together, will secure an early short-season crop.

The Agricultural Outlook. Contribution from the Bureau of Statistics (Crop Estimates). June 23, 1914. Pp. 24. (Farmers' Bulletin 604.) Contents: General review of crop conditions, June 1, 1914—Crop conditions in Florida and California—Outlook for the 1914 foreign wheat crop—Progress of the world's wheat harvest—Trend of prices of farm products—Acreage, condition, and forecast of specified crops—The equivalent in yield per acre of 100 per cent conditions on July 1—Cotton condition May 25—Apple movement, 1913.

SEPARATES.

Bringing Applied Entomology to the Farmer. By F. M. Webster, in Charge of Cereal and Forage Insect Investigations, Bureau of Entomology. Pp. 75–92, pls. 6, figs. 4. (Separate 616, Yearbook 1913.) Price, 5 cents

Factors of Efficiency in Farming. By W. J. Spillman, Agriculturist in Charge of Farm Management Investigations, Bureau of Plant Industry. Pp. 93–108. (Separate 617, Yearbook 1913.) Price, 5 cents.

Promising New Fruits. By William A. Taylor, Chief of Bureau, and H. P. Gould, Pomologist in Charge of Fruit-Production Investigations, Bureau of Plant Industry. Pp. 109–124, pls. 8. (Separate 618, Yearbook 1913.) Price, 15 cents.

The American Thrushes Valuable Bird Neighbors. Compiled from data furnished by F. E. L. Beal, Biological Survey. Pp. 135–142, pls. 2. (Separate 620, Yearbook 1913.) Price, 10 cents.

What the Department of Agriculture Is Doing for the Housekeeper. By C. F. Langworthy, Chief of Nutrition Investigations, Office of Experiment Stations. Pp. 143–162. (Separate 621, Yearbook 1913.) Price, 5 cents.

Practical Tree Surgery. By J. Franklin Collins, Forest Pathologist, Bureau of Plant Industry. Pp. 163–190, pls. 7. (Separate 622, Yearbook 1914.) Price, 10 cents.

Supplementing Our Meat Supply with Fish. By M. E. Pennington, Chief, Food Research Laboratory, Bureau of Chemistry. Pp. 191–206. (Separates 623. Yearbook 1913.) Price, 5 cents.

Economic Waste From Soil Erosion. By R. O. E. Davis, Scientist in Laboratory Investigations, Bureau of Soils. Pp. 202–220, pls. 6. (Separate 624, Yearbook 1913.) Price, 5 cents.

The Grain Sorghums: Immigrant Crops that Have Made Good. By Carleton R. Ball, Agronomist, Office of Cereal Investigations, Bureau of Plant Industry. Pp. 221–238, pls. 7, figs. 8. (Separate 625, Yearbook 1913.) Price, 10 cents.

The Organization of Rural Interests. By T. N. Carver, Director Rural Organization Service. Pp. 239–258, figs. 4. (Separate 626, Yearbook 1913.) Price, 5 cents.

The Production of Beef in the South. By W. F. Ward, Senior Animal Husbandman in Beef-Cattle Investigations, Animal Husbandry Division, Bureau of Animal Industry. Pp. 259–282, pls. 4. (Separate 627, Yearbook 1913.) Price, 10 cents.

Hemp. By Lyster H. Dewey, Botanist in Charge of Fiber-Plant Investigations, Bureau of Plant Industry. Pp. 283–346, pls. 7, figs. 5. (Separate 628, Yearbook 1913.) Price, 15 cents.

PUBLICATIONS OF THE WEATHER BUREAU.

National Weekly Weather Bulletin Nos. 11, 12, 13, 14, 15, for June, 1914, reporting temperature and rainfall, with a summary of weather conditions throughout the United States. (Weekly April–September, Monthly remainder of year.) Price, 25 cents a year.

JOS. A. ARNOLD,
Editor and Chief Division of Publications.

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